



Notification# 20250131001.0

Datasheet for SNx4AHC244, SNx4AHCT244, SNx4AHC373, SNx4AHCT373, SNx4AHC374, SNx4AHCT374, SNx4AHC573, SNx4AHCT573, SNx4AHC574, SNx4AHCT574, SNx4AHC240, SNx4AHCT240, SNx4AHC540, SNx4AHC541, SNx4AHCT540, SNx4AHCT541, SN74AHCT273, SNx4AHC273, SN74AHC244-Q1, SN74AHCT244-Q1, SN74AHC541-Q1

Information Only

Date: February 11, 2025
To: Mouser PCN

Dear Customer:

This is an information-only announcement of a change to a device that is currently offered by Texas Instruments.

The changes discussed within this notification are for your information only.

Any negotiated alternative change requirements will be provided via the customer's defined process. Customers with previously negotiated, special requirements will be handled separately. Any inquiries should be directed to your local Field Sales Representative.

For questions regarding this notice, contact your local Field Sales Representative or the Change Management team.

Sincerely,

Change Management Team
SC Business Services

20250131001.0
Information Only Datasheet
Attachments

Products Affected:

The devices listed on this page are a subset of the complete list of affected devices. According to our records, you have recently purchased these devices. The corresponding customer part number is also listed, if available.

DEVICE	CUSTOMER PART NUMBER
SN74AHCT541DWR	NULL
SN74AHC244QPWRG4Q1	595-74AHC244QPWRG4Q1
SN74AHCT244PWR	NULL
SN74AHC574PWR	NULL
SN74AHC541PWRE4	NULL
SN74AHC244PWR	NULL
SN74AHC273DWR	NULL
SN74AHCT240DWR	NULL
SN74AHCT273DBR	NULL
SN74AHC541N	NULL
SN74AHC273PWR	NULL
SN74AHC541NSR	NULL
SN74AHCT574DWR	NULL
SN74AHC573PWR	SN74AHC573PWR
SN74AHCT240PWR	NULL
SN74AHCT574PWR	NULL
SN74AHC244DWR	NULL
SN74AHC541QPWRQ1	NULL
SN74AHCT244DWR	NULL
SN74AHC574DWR	NULL
SN74AHCT244NSR	NULL
SN74AHC574DWRE4	NULL
SN74AHC244QPWRQ1	NULL
SN74AHCT273DWR	NULL
SN74AHCT273NSR	NULL
SN74AHCT240PWREG4	NULL
SN74AHCT540PWR	NULL
SN74AHCT373PWR	NULL
SN74AHCT541PWR	NULL
SN74AHCT374PWR	NULL
SN74AHC244QDWRQ1	NULL
SN74AHC373PWR	NULL
SN74AHCT244PWREG4	NULL
SN74AHC541PWR	NULL
SN74AHC541QPWRG4Q1	NULL
SN74AHC540DWR	NULL
SN74AHCT244DBR	NULL
SN74AHCT244QPWRQ1	NULL
SN74AHCT573PWR	SN74AHCT573PWR
SN74AHC374PWR	NULL
SN74AHC541DWR	NULL

Technical details of this Product Change follow on the next page(s).

PCN Number:	20250131001.0	PCN Date:	February 11, 2025		
Title:	Datasheet for SNx4AHC244, SNx4AHCT244, SNx4AHC373, SNx4AHCT373, SNx4AHC374, SNx4AHCT374, SNx4AHC573, SNx4AHCT573, SNx4AHC574, SNx4AHCT574, SNx4AHC240, SNx4AHCT240, SNx4AHC540, SNx4AHC541, SNx4AHCT540, SNx4AHCT541, SN74AHCT273, SNx4AHC273, SN74AHC244-Q1, SN74AHCT244-Q1, SN74AHC541-Q1				
Customer Contact:	Change Management team	Dept:	Quality Services		
Change Type:	Electrical Specification	PCN Details			
Description of Change:					
Texas Instruments Incorporated is announcing an information only notification. The product datasheet(s) is being updated as summarized below. The following change history provides further details.					
 TEXAS INSTRUMENTS	SN54AHC244, SN74AHC244 SCLS226M – OCTOBER 1995 – REVISED JANUARY 2025				
Changes from Revision L (July 2024) to Revision M (January 2025)			Page		
• Updated HBM and CDM values in <i>ESD Ratings</i> table.....			4		
Changes from Revision K (July 2013) to Revision L (July 2024)			Page		
• Updated structural layout of document to current standards.....			1		
• Added SOP and TSSOP packages, package size, and military packages to <i>Device Information</i> table.....			1		
• Deleted VQFN from <i>Device Information</i> table.....			1		
• Updated R _{θJA} values: PW = 105.4 to 116.8, DW = 83.0 to 81.1, NS = 80.4 to 77.6; Updated PW, DW, and NS packages for R _{θJC} (top), R _{θJB} , Ψ _{JT} , Ψ _{JB} , and R _{θJC} (bot), all values in °C/W.....			5		
 TEXAS INSTRUMENTS	SN54AHCT244, SN74AHCT244 SCLS228O – OCTOBER 1995 – REVISED JULY 2024				
Changes from Revision N (May 2023) to Revision O (July 2024)			Page		
• Updated <i>Package Information</i> to <i>Device information</i>			1		
• Added package size and military packages to <i>Device information</i> table.....			1		
• Updated R _{θJA} values: PW = 105.4 to 116.8, DB = 99.9 to 87.2, DW = 83.0 to 81.1, NS = 80.4 to 77.6; Updated PW, DB, DW, and NS packages for R _{θJC} (top), R _{θJB} , Ψ _{JT} , Ψ _{JB} , and R _{θJC} (bot), all values in °C/W			5		
• Updated <i>Layout Example</i> figure			11		
 TEXAS INSTRUMENTS	SN54AHC373, SN74AHC373 SCLS235K – OCTOBER 1995 – REVISED JULY 2024				
Changes from Revision J (August 2023) to Revision K (July 2024)			Page		
• Updated R _{θJA} values: PW = 83 to 116.8, all values in °C/W			5		
 TEXAS INSTRUMENTS	SN54AHCT373, SN74AHCT373 SCLS239O – OCTOBER 1995 – REVISED AUGUST 2024				
Changes from Revision N (August 2023) to Revision O (August 2024)			Page		
• Added package size to <i>Device Information</i> table.....			1		
• Updated R _{θJA} values: PW = 83 to 116.8, all values in °C/W			5		



SN54AHC374, SN74AHC374
SCLS240K – OCTOBER 1995 – REVISED JULY 2024

Changes from Revision J (December 2014) to Revision K (July 2024)	Page
• Added package size and military packages to <i>Device information</i> table.....	1
• Updated thermal values for PW package from R _{θJA} = 103.3 to 116.8, R _{θJC} (top) = 37.8 to 58.5, R _{θJB} = 54.3 to 78.7, Ψ _{JT} = 2.9 to 12.6, Ψ _{JB} = 53.8 to 77.9, R _{θJC} (bot) = N/A, all values in °C/W	5



SN54AHCT374, SN74AHCT374
SCLS241N – OCTOBER 1995 – REVISED AUGUST 2024

Changes from Revision M (April 2023) to Revision N (August 2024)	Page
• Added package size to <i>Device information</i> table.....	1
• Updated R _{θJA} values: PW = 83 to 116.8, all values in °C/W	4



SN54AHC573, SN74AHC573
SCLS242M – OCTOBER 1995 – REVISED AUGUST 2024

Changes from Revision L (September 2014) to Revision M (August 2024)	Page
• Added package size to <i>Device information</i> table.....	1
• Updated <i>Handling Ratings</i> to <i>ESD Ratings</i> table.....	4
• Updated R _{θJA} values: PW = 103.3 to 116.8, DW = 79.4 to 81.1, NS = 79.2 to 77.6; Updated PW, DW, and NS packages for R _{θJC} (top), R _{θJB} , Ψ _{JT} , Ψ _{JB} , and R _{θJC} (bot), all values in °C/W	5



SN54AHCT573, SN74AHCT573
SCLS243Q – OCTOBER 1995 – REVISED JULY 2024

Changes from Revision P (April 2024) to Revision Q (July 2024)	Page
• Updated thermal values for PW package from R _{θJA} = 103.3 to 116.8, R _{θJC} (top) = 37.8 to 58.5, R _{θJB} = 54.3 to 78.7, Ψ _{JT} = 2.9 to 12.6, Ψ _{JB} = 53.8 to 77.9, R _{θJC} (bot) = N/A, all values in °C/W	5



SN54AHC574, SN74AHC574
SCLS244K – OCTOBER 1995 – REVISED JULY 2024

Changes from Revision J (December 2014) to Revision K (July 2024)	Page
• Deleted machine model from <i>Features</i> section and <i>ESD Ratings</i> table.....	1
• Updated R _{θJA} values: PW = 103.3 to 116.8, DW = 79.4 to 81.1; Updated PW and DW packages for R _{θJC} (top), R _{θJB} , Ψ _{JT} , Ψ _{JB} , and R _{θJC} (bot), all values in °C/W	5



SN54AHCT574, SN74AHCT574
SCLS245N – OCTOBER 1995 – REVISED JULY 2024

Changes from Revision M (September 2014) to Revision N (July 2024)	Page
• Updated the numbering format for tables, figures, and cross-references throughout the document	1
• Deleted machine model from <i>Features</i> section.....	1
• Updated R _{θJA} values: PW = 103.3 to 116.8, DW = 79.4 to 81.1; Updated PW and DW packages for R _{θJC} (top), R _{θJB} , Ψ _{JT} , Ψ _{JB} , and R _{θJC} (bot), all values in °C/W	5



SN54AHC240, SN74AHC240
SCLS251J – OCTOBER 1995 – REVISED AUGUST 2024

Changes from Revision I (April 2023) to Revision J (August 2024)	Page
• Added package size and military packages to <i>Device Information</i> table.....	1
• Updated R _{0JA} values: PW = 83 to 116.8, DW = 58 to 81.1, all values in °C/W	5



SN54AHCT240, SN74AHCT240
SCLS252P – OCTOBER 1995 – REVISED JANUARY 2025

Changes from Revision O (July 2024) to Revision P (January 2025)	Page
• Updated HBM and CDM values in <i>ESD Ratings</i> table.....	4

Changes from Revision N (January 2018) to Revision O (July 2024)	Page
• Added package size to <i>Device Information</i> table.....	1
• Updated R _{0JA} values: PW = 105.4 to 116.8, DW = 83.0 to 81.1; Updated PW and DW packages for R _{0JC} (top), R _{0JB} , Ψ _{JT} , Ψ _{JB} , and R _{0JC} (bot), all values in °C/W	5



SN54AHC540, SN74AHC540
SCLS260O – DECEMBER 1995 – REVISED JANUARY 2025

Changes from Revision N (July 2024) to Revision O (January 2025)	Page
• Updated HBM and CDM values in <i>ESD Ratings</i> table.....	4

Changes from Revision M (May 2016) to Revision N (July 2024)	Page
• Updated the numbering format for tables, figures, and cross-references throughout the document.....	1
• Updated R _{0JA} values: PW = 105.4 to 116.8, DW = 83.0 to 81.1; Updated PW and DW packages for R _{0JC} (top), R _{0JB} , Ψ _{JT} , Ψ _{JB} , and R _{0JC} (bot), all values in °C/W	5



SN54AHC541, SN74AHC541
SCLS261Q – OCTOBER 1995 – REVISED JANUARY 2025

Changes from Revision P (August 2024) to Revision Q (January 2025)	Page
• Updated HBM and CDM values in <i>ESD Ratings</i> table.....	4

Changes from Revision O (September 2015) to Revision P (August 2024)	Page
• Added package size to <i>Device Information</i> table.....	1
• Updated structural layout of data sheet to current standards.....	1
• Updated R _{0JA} values: PW = 105.4 to 116.8, DW = 83.0 to 81.1, N = 54.9 to 68.5, NS = 80.4 to 77.6; Updated PW, DW, N, and NS packages for R _{0JC} (top), R _{0JB} , Ψ _{JT} , Ψ _{JB} , and R _{0JC} (bot), all values in °C/W	5
• Updated <i>Layout Example</i> image.....	11

Changes from Revision M (June 2013) to Revision N (August 2024)	Page
• Added J package to <i>Device Information</i> table, <i>Pin Configuration and Functions</i> section, and <i>Thermal Information</i> section.....	1
• Deleted machine model and FK and W packages from data sheet.....	1
• Updated R _{0JA} values: PW = 83 to 116.8, all values in °C/W	4

Changes from Revision P (June 2013) to Revision Q (August 2024)	Page
• Deleted references to machine model throughout data sheet.....	1
• Added Military Disclaimer to Features list.....	1
• Updated the numbering format for tables, figures, and cross-references throughout the document.....	1
• Added <i>Device Information</i> table, <i>Pin Functions</i> table, <i>ESD Ratings</i> table, <i>Thermal Information</i> table, <i>Device Functional Modes</i> , <i>Application and Implementation</i> section, <i>Device and Documentation Support</i> section, and <i>Mechanical, Packaging, and Orderable Information</i> section	1
• Updated R _{0JA} values: PW = 83 to 116.8, DB = 70 to 87.2, DW = 58 to 81.1; Updated PW, DB, and DW packages for R _{0JC} (top), R _{0JB} , Ψ _{JT} , Ψ _{JB} , and R _{0JC} (bot), all values in °C/W	4

Changes from Revision F (July 2014) to Revision G (August 2024)	Page
• Added package size to <i>Package Information</i> table.....	1
• Deleted references to military device throughout data sheet.....	1
• Updated R _{0JA} values: PW = 104.7 to 116.8, DB = 98.7 to 87.2, DW = 81.8 to 81.1, NS = 79.4 to 77.6; Updated PW, DB, DW, and NS packages for R _{0JC} (top), R _{0JB} , Ψ _{JT} , Ψ _{JB} , and R _{0JC} (bot), all values in °C/W	5
• Updated <i>Layout Example</i> image.....	12

Changes from Revision I (March 2015) to Revision J (July 2024)	Page
• Added NS package to <i>Device Information</i> table.....	1
• Updated R _{0JA} values: PW = 104.7 to 116.8, DW = 81.8 to 81.1; Updated PW and DW packages for R _{0JC} (top), R _{0JB} , Ψ _{JT} , Ψ _{JB} , and R _{0JC} (bot), all values in °C/W	5
• Updated <i>Layout Example</i> image.....	12

Changes from Revision B (August 2023) to Revision C (July 2024)	Page
• Updated packages and added body size to <i>Package Information</i> table.....	1
• Updated R _{0JA} values: PW = 83 to 116.8, DW = 58 to 81.1, all values in °C/W	5
• Added <i>Application and Implementation</i> section.....	10

Changes from Revision D (April 2023) to Revision E (August 2024)
Page

- Deleted references to machine model throughout data sheet.....**1**
- Added package size to *Package information* table.....**1**
- Updated R_{θJA} values: PW = 83 to 116.8, all values in °C/W

Changes from Revision B (April 2023) to Revision C (July 2024)
Page

- Updated thermal values for PW package from R_{θJA} = 58 to 116.8, all values in °C/W

The datasheet number will be changing.

Device Family	Change From:	Change To:
SNx4AHC244	SCLS226K	SCLS226M
SNx4AHCT244	SCLS228N	SCLS228O
SNx4AHC373	SCLS235J	SCLS235K
SNx4AHCT373	SCLS239N	SCLS239O
SNx4AHC374	SCLS240J	SCLS240K
SNx4AHCT374	SCLS241M	SCLS241N
SNx4AHC573	SCLS242L	SCLS242M
SNx4AHCT573	SCLS243P	SCLS243Q
SNx4AHC574	SCLS244J	SCLS244K
SNx4AHCT574	SCLS245M	SCLS245N
SNx4AHC240	SCLS251I	SCLS251J
SNx4AHCT240	SCLS252N	SCLS252P
SNx4AHC540	SCLS260M	SCLS260O
SNx4AHC541	SCLS261O	SCLS261Q
SNx4AHCT540	SCLS268M	SCLS268N
SNx4AHCT541	SCLS269P	SCLS269Q
SN74AHCT273	SCLS375F	SCLS375G
SNx4AHC273	SCLS376I	SCLS376J
SN74AHC244-Q1	SCLS526B	SCLS526C
SN74AHCT244-Q1	SCLS529D	SCLS529E
SN74AHC541-Q1	SCLS603B	SCLS603C

These changes may be reviewed at the datasheet links provided.

- <http://www.ti.com/product/SN54AHC244>
- <http://www.ti.com/product/SN54AHCT244>
- <http://www.ti.com/product/SN54AHC373>
- <http://www.ti.com/product/SN54AHCT373>
- <http://www.ti.com/product/SN54AHC374>
- <http://www.ti.com/product/SN54AHCT374>
- <http://www.ti.com/product/SN54AHC573>
- <http://www.ti.com/product/SN54AHCT573>
- <http://www.ti.com/product/SN54AHC574>
- <http://www.ti.com/product/SN54AHCT574>
- <http://www.ti.com/product/SN54AHC240>

<http://www.ti.com/product/SN54AHCT240>
<http://www.ti.com/product/SN54AHC540>
<http://www.ti.com/product/SN54AHC541>
<http://www.ti.com/product/SN54AHCT540>
<http://www.ti.com/product/SN54AHCT541>
<http://www.ti.com/product/SN74AHCT273>
<http://www.ti.com/product/SN54AHC273>
<http://www.ti.com/product/SN74AHC244-Q1>
<http://www.ti.com/product/SN74AHCT244-Q1>
<http://www.ti.com/product/SN74AHC541-Q1>

Reason for Change:

To accurately reflect device characteristics. The datasheet update is driven by the changes announced in PCN 20240628002.

Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):

No anticipated impact.

Changes to product identification resulting from this PCN:

None.

Product Affected:

Devices affected by changes in PCN 20240628002

SN74AHC240DWR	SN74AHC574DWR	SN74AHCT541DBR	SN74AHC574DWRE4
SN74AHC240PWR	SN74AHC574PWR	SN74AHCT541DWR	SN74AHC8541N-P2
SN74AHC244DWR	SN74AHC541N-P2	SN74AHCT541PWR	CAHCT244IPWRG4Q1
SN74AHC244NSR	SN74AHCT240DWR	SN74AHCT573PWR	SN74AHC244QPWRQ1
SN74AHC244PWR	SN74AHCT240PWR	SN74AHCT574DWR	SN74AHC541QPWRQ1
SN74AHC273DWR	SN74AHCT244DBR	SN74AHCT574PWR	SN74AHC8541PWR-P
SN74AHC273PWR	SN74AHCT244DWR	SN74AHC244DWRE4	SN74AHCT240PWRG4
SN74AHC373PWR	SN74AHCT244NSR	SN74AHC244DWRG4	SN74AHCT244PWRG4
SN74AHC374PWR	SN74AHCT244PWR	SN74AHC244PWRRE4	SN74AHCT541PWR-P
SN74AHC540DWR	SN74AHCT273DBR	SN74AHC244PWRG4	SN74AHCT541PWRRE4
SN74AHC540PWR	SN74AHCT273DWR	SN74AHC374PWRG4	SN74AHCT541PWRG4
SN74AHC541DWR	SN74AHCT273NSR	SN74AHC541DWRE4	SN74AHCT573PWRRE4
SN74AHC541NSR	SN74AHCT273PWR	SN74AHC541PWRRE4	SN74AHCT573PWRG4
SN74AHC541PWR	SN74AHCT373PWR	SN74AHC541PWRG4	SN74AHCT244QPWRQ1
SN74AHC573DWR	SN74AHCT374PWR	SN74AHC573DWRE4	SN74AHC244QPWRG4Q1
SN74AHC573NSR	SN74AHCT540PWR	SN74AHC573DWRG4	SN74AHC541QPWRG4Q1
SN74AHC573PWR			

Datasheet Only

SN74AHC541N	SN74AHC573PWRG4	CAHCT244QDWRG4Q1	CAHCT244QPWRG4Q1
SN74AHC244QDWRGQ1	SN74AHCT541PWRG3	SN74AHCT574PWRG4	SN74AHCT244IPWRQ1

For questions regarding this notice, e-mails can be sent to the Change Management team or your local Field Sales Representative.

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